## AMENDMENTS TO THE CLAIMS

1.     (Original)    A system for managing data in multiple data processing devices using common data paths, comprising:

a first data processing system comprising a memory, wherein said memory comprises a cacheable coherent memory space; and

a second data processing system communicatively coupled to said first data processing system, said second data processing system comprising at least one bridge, wherein said bridge is operable to perform an uncacheable remote access to said cacheable coherent memory space of said first data processing system.

2.     (Currently Amended) The system of claim 1, wherein the access performed by said bridge comprises a data write to said memory of said first data processing system for incorporation into said cacheable coherent memory space of said first data <u>processing</u> system.

3.     (Currently Amended) The system of claim 1, wherein the access performed by said bridge comprises a data read from said cacheable coherent memory space of said first data <u>processing</u> system.

4.     (Currently Amended) The system of claim 2, wherein the data written by said bridge during said uncacheable remote access participates in a cacheable coherent memory protocol in said cacheable <u>coherent</u> memory space.

5.     (Currently Amended) The system of claim 4, <u>wherein data written by the</u> <u>bridge during an uncacheable remote access is processed by said first data system to</u> <u>convert the data to conform to a cacheable coherent memory protocol in the cacheable</u> <u>memory space and</u> wherein <s>said</s> <u>the</u> converted data in said cacheable coherent memory space is accessed by an agent subsequent to said conversion.

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1      6.    (Original)    The system of claim 5, wherein said remote access by said

2    bridge and said subsequent access by said agent conform to a producer-consumer

3    protocol, wherein said bridge corresponds to the producer and said agent corresponds to

4    the consumer of said producer-consumer protocol.

1      7.    (Currently Amended) The system of claim 6, wherein said data written by

2    said bridge comprises a payload ~~memory~~ and a flag ~~memory~~, with said flag and said

3    payload ~~memory~~ both residing in a node defined by said first data <u>processing</u> system.

1      8.    (Original)    The system of claim 7, wherein the remote access by said

2    bridge to perform said data write is performed in accordance with a set of predetermined

3    ordering rules.

1      9.    (Canceled)

1      10.    (Original)    A method for managing data in multiple data processing

2    devices using common data paths, comprising:

3         establishing a coherent memory space in a first data processing system; and

4         accessing said coherent memory space with a second data processing system

5    communicatively coupled to said first data processing system, said second data

6    processing system comprising at least one bridge, wherein said bridge performs an

7    uncacheable remote access to said cacheable coherent memory space of said first data

8    processing system.

1      11.    (Currently Amended) The method of claim 10, wherein the access

2    performed by said bridge comprises a data write to said memory of said first data

3    processing system for incorporation into said cacheable coherent memory space of said

4    first data <u>processing</u> system.

1       12.    (Currently Amended) The method of claim 10, wherein the access

2    performed by said bridge comprises a data read from said cacheable coherent memory

3    space of said first data <u>processing</u> system.

1       13.    (Currently Amended) The method of claim 11, wherein the data written

2    by said bridge during said uncacheable remote access participates in a cacheable coherent

3    memory protocol in said cacheable <u>coherent</u> memory space.

1       14.    (Currently Amended) The method of claim 13, <u>wherein data written by</u>

2    <u>the bridge during an uncacheable remote access is processed by said first data system to</u>

3    <u>convert the data to conform to a cacheable coherent memory protocol in the cacheable</u>

4    <u>memory space and</u> wherein ~~said the~~ converted data in said cacheable coherent memory

5    space is accessed by an agent subsequent to said conversion.

1       15.    (Original)    The method of claim 14, wherein said remote access by

2    said bridge and said subsequent access by said agent conform to a producer-consumer

3    protocol, wherein said bridge corresponds to the producer and said agent corresponds to

4    the consumer of said producer-consumer protocol.

1       16.    (Currently Amended) The method of claim 15, wherein said data written

2    by said bridge comprises a payload ~~memory~~ and a flag ~~memory~~, with said flag and said

3    payload ~~memory~~ both residing in a node defined by said first data <u>processing</u> system.

1       17.    (Original)    The method of claim 16, wherein the remote access by said

2    bridge to perform said data write is performed in accordance with a set of predetermined

3    ordering rules.

1       18.    (Canceled)